EXAMINER'S AMENDMENT

Continued Examination Under 37 CFR 1.114

1.   A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on March 11, 2009 has been entered.

Information Disclosure Statement

2.   The information disclosure statement (IDS) submitted on March 11, 2009. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement has been considered by the examiner and does not change the patentability of the claims.

3.   An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

4.   Authorization for this examiner's amendment was given in a telephone interview with Larry G. Brown (Reg. No. 45,834) on October 22, 2008.

5.   Amend the specification page 7, lines 4-12 as follows:

        In FIG. 2, there is shown an IPC stack 200 of an IPC server 108 (or IPC clients

102-106) in accordance with an embodiment the present invention. The IPC stack 200

is designed to be integrated under an Operating System (OS) <u>222</u> and to provide

support for the inter-processor communication needs of component traffic. The

components 224 and 226 solicit services from their IPC network through API service

calls. Intricacies of the physical communication between components are handled by

the IPC stack 200 and all hardware dependencies are therefore abstracted out as well.

The IPC stack 200 is shown coupled to a particular OS <u>222</u> via an OS specific API layer

220.

6.   Amend the claims 1-20 as follows:

        1. (currently amended) An Interprocessor Communication (IPC) network,

                comprising:

                an IPC server;

                one or more IPC clients coupled to the IPC server; and

                the IPC server includes a port dedication table;

                wherein the IPC server includes one or more ports and the port dedication

                table keeps track of which of the one or more ports have been dedicated to

create a dedicated path and each of the one or more IPC clients has a port

dedication table;

wherein header information does not need to be included when transferring

packets over the dedicated path;

wherein the one or more IPC clients each includes a network routing table

that shows what addresses have been assigned to each of the IPC server's

ports;

wherein the IPC server or one of the one or more IPC clients upon receiving a

port dedication message from one of the one or more IPC clients that is a

peer IPC node informs an IPC client sending the port dedication message if it

has a port available for dedication;

wherein the IPC server or one of the one or more IPC clients that is a peer

IPC node informs the IPC client sending the port dedication message

information about the port(s) it has available;

wherein each of the port dedication tables found in each of the one or more

IPC clients includes information about the IPC client's own port(s).

2. (canceled)

3. (canceled)

4. (canceled)

5. (canceled)

6. (canceled)

7. (canceled)

8. (original) An IPC network as defined in claim 1, wherein in the IPC network is found in a radio communication device.

9. (currently amended) A method for dedicating a port in an IPC network having an IPC server and an IPC client each having a port dedication table, comprising the steps of:

(a) transmitting a port dedication message from the IPC client to the IPC server;

(b) sending an information message back to the IPC client from the IPC server informing the IPC client of which ports the IPC server has available;

(c) transmitting a message from the IPC client to the IPC server selecting which port it wants to have dedicated; and

(d) sending a message from the IPC server to the IPC client informing the IPC client that ~~the~~ a requested port has been dedicated for its use thereby creating a dedicated path and wherein header information does not need to be included when transferring packets over the dedicated path;

wherein in response to step (d) the IPC client updates its port dedication

table;

(e) sending a message from the IPC server terminating the dedicated port;

wherein once the port is dedicated in step (d), data transmitted on the

dedicated port is guaranteed a predetermined Quality of Service (QoS)

regardless of a total data load of other channels on each link along the

dedicated data path.

10. (canceled)

11. (canceled)

12. (previously presented) A method as defined in claim 9, comprising the further

    step of:

        (f) sending a message from the IPC client requesting that the dedicated

port be released.

13. (currently amended) A method as defined in claim 10 9, wherein the IPC

    server also updates its port dedication table after step (d).

14. (original) A method as defined in claim 9, wherein if after a predetermined period of time a port has not been located that can be dedicated, the port dedication is aborted.

15. (canceled)

16. (original) A method as defined in claim 9, wherein the IPC network comprises an IPC network which is part of a radio communication device.

17. (currently amended) A method for dedicating a port in an IPC network having an IPC server and one or more IPC clients each having a router and device layer, one of the one or more IPC clients requesting a dedication of a communication path, comprising the steps of:

a) transmitting a router channel request from a router layer to a device layer in ~~the~~ an IPC client requesting the dedication of the communication path; and

b) transmitting a peer to peer request from the router layer of the IPC client requesting the communication path dedication to the router layer of the next IPC client or the IPC server in the communication path, wherein header information does not need to be included when transferring packets over the dedicated communication path;

wherein the one or more IPC clients each includes a network routing table

that shows what addresses have been assigned to each of the IPC server's

ports;

wherein the IPC server or one of the one or more IPC clients upon receiving a

port dedication message from one of the one or more IPC clients that is a

peer IPC node informs the IPC client sending the port dedication message if it

has a port available for dedication;

wherein the IPC server or one of the one or more IPC clients that is a peer

IPC node informs the IPC client sending the port dedication message

information about the port(s) it has available;

wherein each of the port dedication tables found in each of the one or more

IPC clients includes information about the IPC client's own port(s).

18. (previously presented) A method as defined in claim 17, comprising the

further step of:

    c) sending a router channel request from the router layer to the device

layer of the next IPC client or IPC server in the communication path.

19. (currently amended) A method as defined in claim 18, wherein if the router

channel request in step (c) is not replied to in a predetermined period of time,

a message is sent to the router layer of the IPC client requesting the

dedication of the communication path to terminate.

20. (original) A method as defined in claim 19, wherein the communication path is

terminated by the IPC client requesting the dedication of the communication

path releasing each channel that was previously reserved up to the point of

the timeout in step (c).

7.   Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

CONCLUSION

8.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to KimbleAnn Verdi whose telephone number is (571)270-

1654. The examiner can normally be reached on Monday-Friday 7:30am-5:00pm EST.

9.   If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

10.   Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

April 22, 2009
KV

/Li B. Zhen/
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